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ATTY. DOCKET NO. 119927-1021

SERIAL NO.: 09/661,658

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## APPLICANTS

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Andrew D. Ellington, Michael P. Robertson, Kristin A. Marshall

FILING DATE: September 14, 2000

GROUP: 1635

## U. S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
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## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
<del>99</del>	WO 98/08974 /	3-5-1998	WIPO				
<del>98</del>	WO 94/13833	6-23-1994	WIPO				
<del>97</del>	WO 00/26226	5-11-2000	WIPO				

## U. S. PATENT APPLICATION DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE

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OTHER ART (including Author, Title, Date, Pertinent Pages, Etc.)

SOUKUP, GARRETT A. ET AL, "Engineering precision RNA molecular switches", Proceedings of the National Academy of Sciences USA, 1999 96:3584-89.

SALVO, J. L. ET AL, "The P2 Element of the Intron is Dispensable Despite its Normal Role in Splicing", Journal of Biological Chemistry, 1992 267:2845-48.

PATEL, D. J. ET AL, "Structure, recognition and discrimination in RNA aptamer complexes with cofactors, amino acids, drugs and aminoglycoside antibiotics", Reviews in Molecular Biotechnology, 2000 74:39-60.

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Application Number	09/661,658
Filing Date	September 14, 2000
First Named Inventor	Ellington
Group Art Unit	1635
Examiner Name	Gibbs, Terra C
Attorney Docket Number	23239-301A (Formerly 23239-539)

**U.S. PATENT DOCUMENTS**

Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate
	A31	5,443,791	08/22/95	Cathcart, et al.			08/07/92

**FOREIGN PATENT DOCUMENTS**

Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes	Translation No
JP	B5	WO 96/06944	The General Hospital Corporation	03/07/96		
JP	B6	WO 98/27104	Yale University	06/25/98		
JP	B7	WO 99/16781	Roche Diagnostics GMBH	04/08/99		X
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JP	B11	FR 2 633 310	Institut Pasteur (English Language Abstract Only)	12/29/89		
JP	B12	WO 99/16781	Roche Diagnostics GMBH (English Language Abstract Only)	04/08/99		

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
JP	C4	Cox, et al. (1998). Biotechnol Prog 14: 845-850.
	C5	Ellington, Andrew (1994). Curr Biol 4(5): 427-429.
	C6	International Search Report for PCT US 01/19302, mailed January 22, 2003.
	C7	Koizumi, et al. (1999). Nat Struct Biol 6(11): 1062-1071.
	C8	Marshall and Ellington (1999). Nat Struct Biol 6(11): 992-994.
	C9	Robertson and Ellington (2000). Nucl Acid Res 28(8): 1751-1759.
JP	C10	Xu, et al. (1996). Proc Natl Acad Sci USA 93(15): 7475-7480.

\* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. \_\_\_\_\_, filed \_\_\_\_\_, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

Examiner Signature	<i>Lisa [Signature]</i>	Date Considered	7/25/03
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Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date mm/dd/yyyy	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate mm/dd/yyyy
✓	A32	4,591,567	05/27/1986	Britten, et al.			08/08/1983
	A33	5,008,220	04/16/1991	Brown, et al.			02/15/1989
	A34	5,429,807	07/04/1995	Matson, et al.			10/28/1993
	A35	5,552,270	09/03/1996	Khrapko, et al.			03/18/1992
	A36	5,807,522	09/15/1998	Brown, et al.			06/07/1995
✓	A37	5,837,832	11/17/1998	Chee, et al.			05/16/1995
	A38	5,874,219	02/23/1999	Rava, et al.			04/09/1996

**FOREIGN PATENT DOCUMENTS**

Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication mm/dd/yyyy	Translation Yes No
✓	B13	WO 88/04300	University Patents, Inc.	06/16/1988	
	B14	EP 0519463	Europaisches Laboratorium Fur Molekularbiologie (with English language abstract)	12/23/1992	X

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date(mm/dd/yyyy), Etc.
✓	C11	Baba (2000). Tanpakushitsu Kakusan Koso 45: 76-85.
✓	C12	Baselt (1998). Biosens Bioelectron 13(7-8): 731-739.
✓	C13	Bertucci, et al. (1999). Human Molecular Genetics 8(9): 1715-1722.
✓	C14	Favorov, et al. (1999). Mol Biol (Mosk) 33(3): 428-432.
✓	C15	Gerry, et al. (1999). J Mol Biol 292(2): 251-262.
✓	C16	Lowe (1999). Curr Opin Chem Biol 3(1): 106-111.
✓	C17	Murakami and Tamiya (1999). Rinsho Byori 47(12): 1105-1112.
✓	C18	Radtky, et al. (2000). Nucleic Acids Res 28(7) E17.
✓	C19	Robertson and Ellington (1999). Nat Biotechnol 17(1): 62-66.
✓	C20	Rockett and Dix (2000). Xenobiotica 30(2): 155-177.
✓	C21	Soukup and Breaker (1999). Structure Fold Des 7(7): 783-791.
✓	C22	Soukup and Breaker (1999). Trends Biotechnol 17(12): 469-476.
✓	C23	Stomakhin, et al. (2000). Nucleic Acids Res 28(5): 1193-1198.
✓	C24	Tang and Breaker (1997). Chem Biol 4(6): 453-459.
✓	C25	Tang and Breaker (1997). RNA 3(8): 914-925.

*Don Jell*

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date(mm/dd/yyyy), Etc.
ph	C26	Tang and Breaker (1998). Nucleic Acids Res 26(18): 4214-4221.
ph	C27	Murakami and Tamiya (1999). Rinsho Byori 47(12): 1105-1112.

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Examiner Signature	<i>Luan Hill</i>	Date Considered	7/25/03
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